

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 09/583,200 F  
Source: IFW16  
Date Processed by STIC: 1/13/06

***ENTERED***



IFW16

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/583,200F

DATE: 01/13/2006  
TIME: 08:38:58

Input Set : A:\Sequence Listing.txt  
Output Set: N:\CRF4\01132006\I583200F.raw

3 <110> APPLICANT: Fikes, John D.  
4 Sette, Alessandro  
5 Sidney, John  
6 Southwood, Scott  
7 Celis, Esteban  
8 Keogh, Elissa A  
9 Chestnut, Robert  
11 <120> TITLE OF INVENTION: HLA Class I A2 Tumor Associated Antigen Peptides and Vaccine Compositions  
12  
14 <130> FILE REFERENCE: 2060.0150002  
16 <140> CURRENT APPLICATION NUMBER: US 09/583,200F  
17 <141> CURRENT FILING DATE: 2000-05-30  
19 <150> PRIOR APPLICATION NUMBER: US 60/170,448  
20 <151> PRIOR FILING DATE: 1999-12-13  
22 <150> PRIOR APPLICATION NUMBER: US 60/141,422  
23 <151> PRIOR FILING DATE: 1999-06-29  
25 <150> PRIOR APPLICATION NUMBER: US 09/189,702  
26 <151> PRIOR FILING DATE: 1998-11-10  
28 <150> PRIOR APPLICATION NUMBER: US 09/098,584  
29 <151> PRIOR FILING DATE: 1998-06-17  
31 <150> PRIOR APPLICATION NUMBER: US 09/017,735  
32 <151> PRIOR FILING DATE: 1998-02-03  
34 <150> PRIOR APPLICATION NUMBER: US 09/016,361  
35 <151> PRIOR FILING DATE: 1998-01-30  
37 <150> PRIOR APPLICATION NUMBER: US 08/821,739  
38 <151> PRIOR FILING DATE: 1997-03-20  
40 <150> PRIOR APPLICATION NUMBER: US 60/036,696  
41 <151> PRIOR FILING DATE: 1997-01-31  
43 <150> PRIOR APPLICATION NUMBER: US 60/013,833  
44 <151> PRIOR FILING DATE: 1996-03-21  
46 <150> PRIOR APPLICATION NUMBER: US 08/589,108  
47 <151> PRIOR FILING DATE: 1996-01-23  
49 <150> PRIOR APPLICATION NUMBER: US 08/589,107  
50 <151> PRIOR FILING DATE: 1996-01-23  
52 <150> PRIOR APPLICATION NUMBER: US 08/451,913  
53 <151> PRIOR FILING DATE: 1995-05-26  
55 <150> PRIOR APPLICATION NUMBER: US 08/347,610  
56 <151> PRIOR FILING DATE: 1994-12-01  
58 <150> PRIOR APPLICATION NUMBER: US 08/205,713  
59 <151> PRIOR FILING DATE: 1994-03-04  
61 <150> PRIOR APPLICATION NUMBER: US 08/186,266  
62 <151> PRIOR FILING DATE: 1994-01-25  
64 <150> PRIOR APPLICATION NUMBER: US 08/159,339

P.6

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/583,200F

DATE: 01/13/2006

TIME: 08:38:58

Input Set : A:\Sequence Listing.txt  
Output Set: N:\CRF4\01132006\I583200F.raw

65 <151> PRIOR FILING DATE: 1993-11-29  
67 <150> PRIOR APPLICATION NUMBER: US 08/159,184  
68 <151> PRIOR FILING DATE: 1993-11-29  
70 <150> PRIOR APPLICATION NUMBER: US 08/103,396  
71 <151> PRIOR FILING DATE: 1993-08-06  
73 <150> PRIOR APPLICATION NUMBER: US 08/073,205  
74 <151> PRIOR FILING DATE: 1993-06-04  
76 <150> PRIOR APPLICATION NUMBER: US 08/027,746  
77 <151> PRIOR FILING DATE: 1993-03-05  
79 <150> PRIOR APPLICATION NUMBER: US 08/027,146  
80 <151> PRIOR FILING DATE: 1993-03-05  
82 <160> NUMBER OF SEQ ID NOS: 72  
84 <170> SOFTWARE: PatentIn version 3.3  
86 <210> SEQ ID NO: 1  
87 <211> LENGTH: 10  
88 <212> TYPE: PRT  
89 <213> ORGANISM: Artificial sequence  
91 <220> FEATURE:  
92 <223> OTHER INFORMATION: CEA.233V10  
94 <400> SEQUENCE: 1  
96 Val Leu Tyr Gly Pro Asp Ala Pro Thr Val  
97 1 5 10  
100 <210> SEQ ID NO: 2  
101 <211> LENGTH: 9  
102 <212> TYPE: PRT  
103 <213> ORGANISM: Artificial sequence  
105 <220> FEATURE:  
106 <223> OTHER INFORMATION: CEA.605V9  
108 <400> SEQUENCE: 2  
110 Tyr Leu Ser Gly Ala Asn Leu Asn Val  
111 1 5  
114 <210> SEQ ID NO: 3  
115 <211> LENGTH: 9  
116 <212> TYPE: PRT  
117 <213> ORGANISM: Artificial sequence  
119 <220> FEATURE:  
120 <223> OTHER INFORMATION: CEA.687  
122 <400> SEQUENCE: 3  
124 Ala Thr Val Gly Ile Met Ile Gly Val  
125 1 5  
128 <210> SEQ ID NO: 4  
129 <211> LENGTH: 11  
130 <212> TYPE: PRT  
131 <213> ORGANISM: Artificial sequence  
133 <220> FEATURE:  
134 <223> OTHER INFORMATION: p53.25V11  
136 <400> SEQUENCE: 4  
138 Leu Leu Pro Glu Asn Asn Val Leu Ser Pro Val  
139 1 5 10

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/583,200F

DATE: 01/13/2006

TIME: 08:38:58

Input Set : A:\Sequence Listing.txt  
Output Set: N:\CRF4\01132006\I583200F.raw

142 <210> SEQ ID NO: 5  
143 <211> LENGTH: 9  
144 <212> TYPE: PRT  
145 <213> ORGANISM: Artificial sequence  
147 <220> FEATURE:  
148 <223> OTHER INFORMATION: p53.139L2  
150 <400> SEQUENCE: 5  
152 Lys Leu Cys Pro Val Gln Leu Trp Val  
153 1 5  
156 <210> SEQ ID NO: 6  
157 <211> LENGTH: 9  
158 <212> TYPE: PRT  
159 <213> ORGANISM: Artificial sequence  
161 <220> FEATURE:  
162 <223> OTHER INFORMATION: p53.139L2B3  
164 <220> FEATURE:  
165 <221> NAME/KEY: misc\_feature  
166 <222> LOCATION: (3)..(3)  
167 <223> OTHER INFORMATION: Xaa = alpha-amino butyric acid  
169 <400> SEQUENCE: 6  
W--> 171 Lys Leu Xaa Pro Val Gln Leu Trp Val  
172 1 5  
175 <210> SEQ ID NO: 7  
176 <211> LENGTH: 9  
177 <212> TYPE: PRT  
178 <213> ORGANISM: Artificial sequence  
180 <220> FEATURE:  
181 <223> OTHER INFORMATION: p53.149L2  
183 <400> SEQUENCE: 7  
185 Ser Leu Pro Pro Pro Gly Thr Arg Val  
186 1 5  
189 <210> SEQ ID NO: 8  
190 <211> LENGTH: 9  
191 <212> TYPE: PRT  
192 <213> ORGANISM: Artificial sequence  
194 <220> FEATURE:  
195 <223> OTHER INFORMATION: p53.149M2  
197 <400> SEQUENCE: 8  
199 Ser Met Pro Pro Pro Gly Thr Arg Val  
200 1 5  
203 <210> SEQ ID NO: 9  
204 <211> LENGTH: 9  
205 <212> TYPE: PRT  
206 <213> ORGANISM: Artificial sequence  
208 <220> FEATURE:  
209 <223> OTHER INFORMATION: Her2/neu.369L2V9  
211 <400> SEQUENCE: 9  
213 Lys Leu Phe Gly Ser Leu Ala Phe Val  
214 1 5

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/583,200F

DATE: 01/13/2006

TIME: 08:38:58

Input Set : A:\Sequence Listing.txt  
Output Set: N:\CRF4\01132006\I583200F.raw

217 <210> SEQ ID NO: 10  
218 <211> LENGTH: 9  
219 <212> TYPE: PRT  
220 <213> ORGANISM: Artificial sequence  
222 <220> FEATURE:  
223 <223> OTHER INFORMATION: Her2/neu.369V2V9  
225 <400> SEQUENCE: 10  
227 Lys Val Phe Gly Ser Leu Ala Phe Val  
228 1 5  
231 <210> SEQ ID NO: 11  
232 <211> LENGTH: 10  
233 <212> TYPE: PRT  
234 <213> ORGANISM: Artificial sequence  
236 <220> FEATURE:  
237 <223> OTHER INFORMATION: Her2/neu.773  
239 <400> SEQUENCE: 11  
241 Val Met Ala Gly Val Gly Ser Pro Tyr Val  
242 1 5 10  
245 <210> SEQ ID NO: 12  
246 <211> LENGTH: 9  
247 <212> TYPE: PRT  
248 <213> ORGANISM: Artificial sequence  
250 <220> FEATURE:  
251 <223> OTHER INFORMATION: Her2/neu.5  
253 <400> SEQUENCE: 12  
255 Ala Leu Cys Arg Trp Gly Leu Leu Leu  
256 1 5  
259 <210> SEQ ID NO: 13  
260 <211> LENGTH: 9  
261 <212> TYPE: PRT  
262 <213> ORGANISM: Artificial sequence  
264 <220> FEATURE:  
265 <223> OTHER INFORMATION: MAGE3.271  
267 <400> SEQUENCE: 13  
269 Phe Leu Trp Gly Pro Arg Ala Leu Val  
270 1 5  
273 <210> SEQ ID NO: 14  
274 <211> LENGTH: 9  
275 <212> TYPE: PRT  
276 <213> ORGANISM: Artificial sequence  
278 <220> FEATURE:  
279 <223> OTHER INFORMATION: Her2/neu.48  
281 <400> SEQUENCE: 14  
283 His Leu Tyr Gln Gly Cys Gln Val Val  
284 1 5  
287 <210> SEQ ID NO: 15  
288 <211> LENGTH: 9  
289 <212> TYPE: PRT  
290 <213> ORGANISM: Artificial sequence

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/583,200F

DATE: 01/13/2006  
TIME: 08:38:58

Input Set : A:\Sequence Listing.txt  
Output Set: N:\CRF4\01132006\I583200F.raw

292 <220> FEATURE:  
293 <223> OTHER INFORMATION: Her2/neu.435  
295 <400> SEQUENCE: 15  
297 Ile Leu His Asn Gly Ala Tyr Ser Leu  
298 1 5  
301 <210> SEQ ID NO: 16  
302 <211> LENGTH: 9  
303 <212> TYPE: PRT  
304 <213> ORGANISM: Artificial sequence  
306 <220> FEATURE:  
307 <223> OTHER INFORMATION: CEA.691  
309 <400> SEQUENCE: 16  
311 Ile Met Ile Gly Val Leu Val Gly Val  
312 1 5  
315 <210> SEQ ID NO: 17  
316 <211> LENGTH: 9  
317 <212> TYPE: PRT  
318 <213> ORGANISM: Artificial sequence  
320 <220> FEATURE:  
321 <223> OTHER INFORMATION: Her2/neu.369  
323 <400> SEQUENCE: 17  
325 Lys Ile Phe Gly Ser Leu Ala Phe Leu  
326 1 5  
329 <210> SEQ ID NO: 18  
330 <211> LENGTH: 9  
331 <212> TYPE: PRT  
332 <213> ORGANISM: Artificial sequence  
334 <220> FEATURE:  
335 <223> OTHER INFORMATION: MAGE3.112  
337 <400> SEQUENCE: 18  
339 Lys Val Ala Glu Leu Val His Phe Leu  
340 1 5  
343 <210> SEQ ID NO: 19  
344 <211> LENGTH: 9  
345 <212> TYPE: PRT  
346 <213> ORGANISM: Artificial sequence  
348 <220> FEATURE:  
349 <223> OTHER INFORMATION: CEA.24V9  
351 <400> SEQUENCE: 19  
353 Leu Leu Thr Phe Trp Asn Pro Pro Val  
354 1 5  
357 <210> SEQ ID NO: 20  
358 <211> LENGTH: 10  
359 <212> TYPE: PRT  
360 <213> ORGANISM: Artificial sequence  
362 <220> FEATURE:  
363 <223> OTHER INFORMATION: MAGE3.160  
365 <400> SEQUENCE: 20  
367 Leu Val Phe Gly Ile Glu Leu Met Glu Val

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 01/13/2006  
PATENT APPLICATION: US/09/583,200F TIME: 08:38:59

Input Set : A:\Sequence Listing.txt  
Output Set: N:\CRF4\01132006\I583200F.raw

**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:6; Xaa Pos. 3  
Seq#:29; Xaa Pos. 3,7  
Seq#:30; Xaa Pos. 3  
Seq#:34; Xaa Pos. 3  
Seq#:37; Xaa Pos. 3  
Seq#:40; Xaa Pos. 3  
Seq#:56; Xaa Pos. 1,5,6,8,9  
Seq#:57; Xaa Pos. 1,3,5,6,7  
Seq#:58; Xaa Pos. 3  
Seq#:62; Xaa Pos. 3  
Seq#:65; Xaa Pos. 3  
Seq#:68; Xaa Pos. 3  
Seq#:70; Xaa Pos. 3  
Seq#:72; Xaa Pos. 3

## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/583,200F

DATE: 01/13/2006

TIME: 08:38:59

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF4\01132006\I583200F.raw

L:171 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0  
L:518 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:0  
L:538 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0  
L:600 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:0  
L:648 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:0  
L:696 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:0  
L:946 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56 after pos.:0  
L:986 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57 after pos.:0  
L:1016 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58 after pos.:0  
L:1121 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:62 after pos.:0  
L:1201 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:65 after pos.:0  
L:1281 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:68 after pos.:0  
L:1341 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:70 after pos.:0  
L:1406 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72 after pos.:0